

ABSTRACT

5 An in-shell egg pasteurization system configured to
pasteurize and handle eggs includes a loading system
configured to accept and load an in-shell egg. The system
also includes a microwave system configured to impart
microwave energy to the yolk of the in-shell egg to heat the
yolk to a first predetermined temperature and to impart
microwave energy to the albumen of the in-shell egg to heat
the albumen to a second predetermined temperature.